

Petroleum Product Mechanical Impurity Tester

This mechanical impurity tester determines the amount of mechanical impurity in petroleum products and additives. It is designed according to the GB/T511 standard and is used for testing hydrocarbons, heavy oils, and lubricating oils.



Overview

Precision Mechanical Impurity Analysis

This mechanical impurity tester is a specialized laboratory instrument designed for the accurate determination of impurities in petroleum products. It features a dual filtration setup with precise, digitally controlled heating for both the water bath and filtration funnels, ensuring reliable and repeatable results. The system is engineered to enhance laboratory efficiency by allowing for simultaneous testing, making it an essential tool for petroleum quality control.

Performance Metrics

Key Performance Metrics

1000 W

Water Bath Heating Power

1200 W

Total Power Consumption

90

Max Temperature

Technical Specifications

Power Supply	AC 220V±10%, 50 Hz
Water Bath Temp Accuracy	1
Funnel Temp Accuracy	2
Funnel Temp Range	Room temperature to 90
Water Bath Temp Range	Room temperature to 90

Operating Environment

Operating Limits

- Relative humidity: d85%
- Ambient temperature: d35

Dimensions

Device Dimensions

Component	Dimensions (mm)
Controlling case	390 x 260 x 590
Water bath	390 x 290 x 370

Features

System Features

Digital LED Display • Dual Filtration Setup • Temperature Controlled • Adjustable Heating